

Slimmed-down operation with integral shunting



Altistart 22

Soft start/soft stop unit for infrastructure
and industrial applications



Make the most of your energy!

Altistart 22 soft start/ soft stop unit



Innovative
Economical
Safe

Altistart 22 is a soft start/soft stop unit, using both voltage and torque, for three-phase squirrel cage asynchronous motors between 4 and 400 kW.

Direct benefits:

- Reduction in your operating costs
- Simplified wiring
- Protection of your electrical installation
- Space savings with a fully equipped product



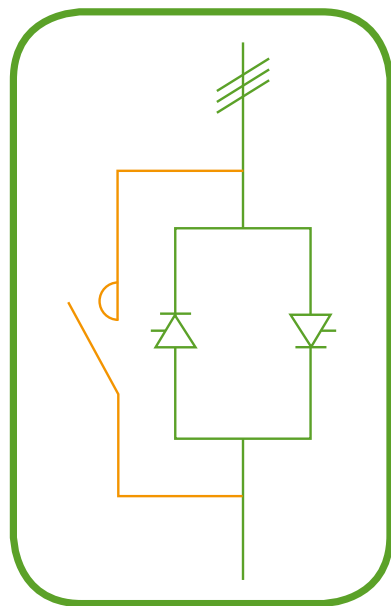
Cut your costs with an integrated bypass function*

Installation and operation couldn't be simpler

- Save time on wiring (6 terminals instead of 12)
- Optimise the size of your enclosures (Altistart 22 is very compact).
- Keep temperature rises to a minimum (low heat dissipation).
- Reduce the number of components you need to manage (multifunction product).



3 controlled phases



**50% reduction
in wiring time**

* shunt

Bypass any stresses on your applications

Protect your installations

- By minimising jolts and shocks, Altistart 22 reduces mechanical stresses on your machines and increases their service life.
- Altistart 22 prevents installation failures by detecting and signalling faults such as a blocked motor, underload or incorrect earthing of one of the 3 motor phases.
- Cards are coated as standard to provide enhanced resistance to harsh environments.

Play it safe with a complete product

- Altistart 22, with its three controlled phases, incorporates all the protection functions needed to monitor the motor, the electrical installation and the starter itself.
- Simplify setup and operation with:
 - 4 light emitting diodes (LEDs)
 - 4 navigation keys
 - 4-digit display
 - SoMove setup software (common to the Altivar, Lexium and TeSys ranges)



Integrated application-specific functions to optimise your machines

Centrifugal pump

- Soft slowdown and stopping (reduces water hammer)
- Protection against underloads or reversed phase rotation direction

Piston pump

- Monitoring of pump priming and direction of rotation

Fan

- Detection of under/overloads (motor/fan transmission broken)
- Braking torque on stopping

Turbine

- Thermal monitoring of the motor with an electrically-isolated PTC probe

Cold compressor

- Monitoring of starting characteristics
- Management of automatic restarting

Screw compressor and centrifugal compressor

- Protection against reversed phase rotation direction
- Contact for automatic draining on stopping

Conveyor

- Overload monitoring for short-circuit detection or underload monitoring for break detection

Conveyor belt

- Second set of motor parameters depending on the load carried

Lifting screw

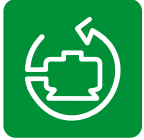
- Overload monitoring for hard spot detection or underload monitoring for break detection

Agitator, Mixer

- The current display gives the density of the material
- Boost on start-up



Programming and communication made simple



Altistart 22 communicates easily with your control systems:

- SoMove: unique setup software for all motion control products (TesyS contactors, Lexium servo drives and Altivar frequency inverters).
- A remote terminal allows you to communicate with your Altistart 22 without needing to open the electrical cabinet door.



- **Safe**
- **Practical**
Also available in IP65 version



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Due to possible changes in standards and equipment, the features described in this document in the form of text and images are subject to confirmation by Schneider Electric.
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